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Hardware Acceleration for Spatial Selections and Joins

C Sun, D Agrawal, AE Abbadi - SIGMOD Conference, 2003 - portal.acm.org
... the candidates from the database, and comparing them to either a **query geometry** or to ... an anti-aliased line segment with width w, a **bounding rectangle** is first ...
Cited by 9 - Web Search - acm.org - sun.calstatela.edu - cs.ucsb.edu - all 7 versions »

Incorporating 3D geo-objects into an existing 2D geodatabase: an efficient use of geo-data

JE Stoter, PJM van Oosterom - Proceedings Geoinformatics and DMGIS, 2001 - gdmc.nl
... geometries), sdo_buffer (to compute a buffer around a **query geometry**) and sdo_intersection ... and parcel is indicated with a minimal **bounding rectangle** of type ...
Cited by 1 - View as HTML - Web Search

Hardware acceleration in commercial databases: A case study of spatial operations

N Bandi, C Sun, D Agrawal, A El Abbadi - Proceedings of 30th International Conference on Very Large ..., 2004 - isys.ucl.ac.be
... candidates from the database, and comparing them to either a **query geometry** or to ...
2. Test the query polygons for Minimum **Bounding Rectangle** (MBR) intersection. ...
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Spatial DBMS testing with data from the Cadastre and TNO-NITG

GISR No - gdmc.nl
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Conservative From-Point Visibility

S Gummerus - cs.uta.fi
Page 1. Conservative From-Point Visibility Sampsa Gummerus University of Tampere Department of Computer Science Master's Thesis December 2003 Page 2. ...
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"bounding rectangle" and "query geo Search

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Relevance scale

1 Industrial sessions: commercial implementation techniques: Quadtree and R-tree indexes in oracle spatial: a comparison using GIS data

Ravi Kanth V Kothuri, Siva Ravada, Daniel Abugov
June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**
Publisher: ACM Press

Full text available: pdf(1.03 MB) Additional Information: full citation, abstract, references, citings, index terms

Spatial indexing has been one of the active focus areas in recent database research. Several variants of Quadtree and R-tree indexes have been proposed in database literature. In this paper, we first describe briefly our implementation of Quadtree and R-tree index structures and related optimizations in Oracle Spatial. We then examine the relative merits of two structures as implemented in Oracle Spatial and compare their performance for different types of queries and other operations. Finally, ...

2 An efficient method for indexing now-relative bitemporal data

Bela Stantic, Sankalp Khanna, John Thornton
January 2004 **Proceedings of the fifteenth conference on Australasian database - Volume 27 CRPIT '04**
Publisher: Australian Computer Society, Inc.

Full text available: pdf(494.37 KB) Additional Information: full citation, abstract, references

Most modern database applications contain a significant amount of time dependent data and a substantial proportion of this data is *now-relative*, i.e. current *now*. While much research has focussed on indexing temporal data in general, little work has addressed the indexing of *now-relative* data, which is a natural and meaningful part of every temporal database as well as being the focus of most queries. This paper proposes a logical query transformation that relies on the *P* ...

Keywords: *access methods, bitemporal databases, now-relative data, performance*

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L8	13	7 and filter.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/05 14:38

L9	223	geometry with filter.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/05 14:38
L10	4	7 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/05 14:38